

Receipt date: 06/03/2005

10580682-2 G.A.B. 044  
**10/537682**  
**JC09 Rec'd PCT/PTO 03 JUN 2005**

PTO/SB/08a (08-03)  
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				Application Number	
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Sheet	1	of	4	Attorney Docket Number	BHCS:2000

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 6,004,807	12-21-1999	Banchereau, et al.	
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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		WO 02072012	02-10-2002	Banchereau, et al.		
		ref not provided				

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		THURNER, et al. Vaccination with MAGE-3A 1 peptide-pulsed mature, monocyte-derived dendritic cells expands scientific cytotoxic T cells and induces regression of some metastases in advance stage IV melanoma. J Exp Med. 1999, Vol. 190, No. 11, Pages 1669-1678.		
		MACKENSEN, et al. Phase 1 study in melanoma patients of a vaccine with peptide-pulsed dendritic cells generated in vitro from CD34(+) hematopoietic progenitor cells. Int J Cancer, 2000, Vol. 86, No. 3, Pages 385-392.		
		NESTLE, et al. Vaccination of melanoma patients with peptide-or tumor lysate pulsed dendritic cells. Nat. Med. 1998, Vol 4. No. 3, Pages 328-332.		
		BANCHEREAU et al. Immune and clinical responses in patients with metastatic melanoma to CD34+ progenitor-derived dendritic cell vaccine. Cancer Res. 2001, Vol. 61, pages 6451-6458.		
		BERARD, et al. Cross-priming of naïve CD8 T cells against melanoma antigens using dendritic cells loaded with killed allogenic melanoma cells. J Exp Med. 2000, Vol. 192 No. 11, Pages 1535-1543.		
		SIENA, et al. Massive ex vivo generation of functional dendritic cells from mobilized CD34+ blood progenitors from anticancer therapy. Exp Hematol, 1995, Vol. 23, No. 14, Pages 1463-1471.		
		ELJAAFARI, et al. Generating of stable monocyte-derived dendritic cells in the presence of high concentration of homologous or autologous serum: influence of extra-cellular pH. Hum Immunol. 1998, Vol. 59, No. 10, Pages 625-634.		
		ALVING, et al. Liposomes as carriers or peptide antigens: induction of antibodies and cytotoxic T lymphocytes to conjugated and unconjugated peptides. Immunol, Rev 1995, Vol. 145, Pages 5-31.		
		HSUEH, et al. Correlation of specific immune responses with survival in melanoma patients with distant metastases receiving polyvalent melanoma call vaccine. J. Clin. Oncol. 1998, Vol. 16, No. 9, pages 2913-2920.		
		HARTUNG, et al. On tests of the overall treatment effect in meta analysis with normally distributed responses, Stat Med 2001, Vol. 20, Pages 1771-1782.A		
		GROSS, et al. Monotoring the immunological status of patients receiving BCG therapy of malignant disease. Cancer, 1976, Vol. 37, No. 5, Pages 2183-2193.		

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JC09 Rec'd PCT/PTO 03 JUN 2005

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		RATTA M, et al. Generation and functional characterization of human dendritic cells, derived from CD34 cells mobilized into peripheral blood: comparison with bone marrow CD34+ cells. Br J. Haematol, 1998, Vol. 101 No. 4, Pages 756-765		
		CAO, et al. In vitro generation of dendritic cells from human blood monocytes in experimental conditions compatible for in vivo cell therapy. J Hematother. Stem Cell Res. 2000, Vol. 9, No. 2, Pages 183-194.		
		ARDECHNA, et al. A clinically applicable method for ex vivo generation of antigen-presenting cells from CD34+ progenitors. Vox Sang. 2000, Vol 79, No. 1, Pages 46-52.		
		KNAPP, et al. Improved tests for random effects of meta-regression with a single covariate. Stat. Med. 2003, Vol. 22, Pages 2693-2710.		
		KOWALKOWSKI, et al. Ex vivo generation of dendritic cells from the CD34+ cells in gas-permeable containers under serum-free conditions. J. Hematother. 1998, Vol. 7, No. 5, Pages 403-411.		
		BORRAS, et al. Dendritic cells can be successfully generated from CD34+ cord blood cells in the presence of autologous cord blood plasma. Bone Marrow Transplant. 2000, Vol. 26, No. 4, pages 371-376.		
		SKEA, et al. Adjuvant-independent induction of immune responses by antibody-mediated targeting of protein and peptide antigens. Reg. Immunol. 1992, Vol. 143, No. 5, pages 568-572.		
		CARAYANNIOTIC, et al. Delivery of synthetic peptides by anti-class II MHC monoclonal antibodies induces specific adjuvant-free IgG responses in vivo. Mol. Immunol. 1988, Vol. 25, No. 9, Pages 907-911.		
		BAIU, et al. Modulation of the humoral immune response by antibody-mediated antigen targeting to complement receptors and Fc receptors. J. Immunol, 1999, Vol 162, pages 3125-3130.		
		SCHJETNE, et al. Cutting edge: Ling between innate and adaptive immunity: Toll-like receptor 2 internalizes antigen for presentation to CD4+ T cells and could be an efficient vaccine target. J Immunol. 2003, Vol. 171, Pages 32-36.		
		CHAKRABORTY, et al. Immunization with a tumor-cell-lysate-loaded autologous-antigen-presenting-cell-based vaccine in melanoma. Cancer Immunol. Immunother. 1998, Vol. 47, Pages 58-64.		

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		PALUCKA, et al. Blood dendritic cells: Multi-potential differentiation or committed subsets? Blood. 15 November 1999, Vol. 94, No 10, Page 48.	
		GLUCKMAN, et al. In vitro generation of human dendritic cells and cell therapy. Cytokines, Cellular and Molecular Therapy. 1997, Vol. 3, pages 187-196.	
		CHOI, et al. Analysis of Methods for the Generation of Dendritic Cells from Human Peripheral Blood Monocytes. Yonsei Med. J. 2000, Vol. 41, No. 5, pages 642-650.	
		FEUERSTEIN, et al. A method for the production of cryopreserved aliquots of antigen-preloaded, mature dendritic cells ready for clinical use. J. Immunol. Methods. 2000, Vol. 245, pages 15-29.	

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